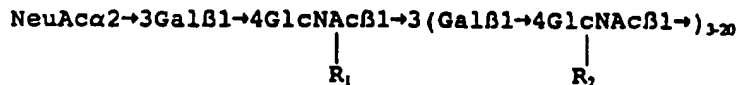


WHAT IS CLAIMED IS:

1. An isolated oligosaccharide of the formula:



wherein R_1 and R_2 are H or $\alpha 1 \rightarrow 3\text{Fuc}$, provided that at least two of the R_1 and R_2 groups are $\alpha 1 \rightarrow 3\text{Fuc}$, and NeuAc is sialic acid, Gal is galactose, GlcNAc is N-acetyl glucosamine and Fuc is fucose.

2. The oligosaccharide of claim 1, wherein NeuAc is replaced with an anionic group.

3. The oligosaccharide of claim 2, wherein the anionic group is a carboxyl group, a sulfate group or a phosphate group.

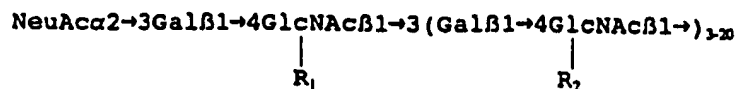
4. The oligosaccharide of claim 1, wherein fucose is replaced with 5-thio fucose, 1-thio fucose, carbafucose or 6-trifluorofucose.

5. The oligosaccharide of claim 1, wherein the number of repeating N-acetylglucosamine subunits containing R_1 is 3 to 5.

6. The oligosaccharide of claim 1, wherein R_1 is H.

7. The oligosaccharide of claim 1, wherein NeuAc is replaced with deaminated neuraminic acid.

8. A composition comprising an isolated oligosaccharide of the formula:



wherein R_1 and R_2 H or $\alpha 1 \rightarrow 3$ Fuc, provided that at least two of the R_1 and R_2 groups are $\alpha 1 \rightarrow 3$ Fuc, and NeuAc is sialic acid, Gal is galactose, GlcNAc is N-acetyl glucosamine and Fuc is fucose, and an excipient or diluent.

9. The composition of claim 8, wherein the terminal GlcNAc residue of said oligosaccharide is attached to a bifunctional linking molecule.

10. The composition of claim 8, wherein said oligosaccharide is attached via the terminal GlcNAc residue and a hydroxyl group to a carrier molecule.

11. The composition of claim 10, wherein said oligosaccharide is attached to serine or threonine of said carrier.

12. The composition of claim 8, comprising a plurality of isolated oligosaccharides.

13. The composition of claim 8 which is contained in a microsphere.

14. The composition of claim 13, wherein said microsphere is a liposome.

15. The composition of claim 8, wherein said oligosaccharide comprises a liposome membrane.

16. The composition of claim 8, wherein the number of repeating N-acetylglucosamine subunits containing R_1 is 3 to 5.

17. The composition of claim 8, wherein NeuAc is replaced with deaminated neuraminic acid.